

Castrol Transmax Axle Long Life 75W-140

Safety Data Sheet according to GB/T 16483-2008 and GB/T 17519-2013

Section 1. Identification

GHS product identifier	Castrol Transmax Axle Long Life 75W-140
Product code	469697-DE01
SDS #	469697
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Use of the substance/ mixture	Gear lubricant For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Supplier	Castrol (Shanghai) Management Co., Ltd. 3F, Building 5, No. 255 of Guiqiao Road, Shanghai P.R.C. 201206 Tel:+86 21 38605888
EMERGENCY TELEPHONE NUMBER	+86 (0)532 8388 9090

Section 2. Hazards identification

Classification of the substance or mixture	REPRODUCTIVE TOXICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
---	--

GHS label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H360 - May damage fertility or the unborn child.
H371 - May cause damage to organs.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing and eye or face protection.
P273 - Avoid release to the environment.
P260 - Do not breathe vapour.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.

Response

P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor.

Storage

P405 - Store locked up.

Disposal

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification

Defatting to the skin.

Product name Castrol Transmax Axle Long Life 75W-140	Product code 469697-DE01	Page: 1/15
Version 7.01 Date of issue 10/15/2025	Format China	Language ENGLISH
	China	(ENGLISH)

Section 3. Composition/information on ingredients

Substance/mixture Mixture

Poly-alpha-olefin. Ester. Proprietary performance additives.

Ingredient name	%	CAS number
Decene, homopolymer, hydrogenated	≤10	CAS: 68037-01-4
Dec-1-ene, homopolymer, hydrogenated	≤10	CAS: 68037-01-4
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	≤10	CAS: 68037-01-4
tricresyl phosphate	≤1.2	CAS: 1330-78-5
Amines, C12-14-tert-alkyl	≤0.2	CAS: 68955-53-3
(Z)-octadec-9-enylamine	≤0.1	CAS: 112-90-3
Alcohols, C12-16, ethoxylated	≤0.1	CAS: 68551-12-2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.
Inhalation	If inhaled, remove to fresh air. Get medical attention.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Get medical attention.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Treatment should in general be symptomatic and directed to relieving any effects.
Specific treatments	No specific treatment.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Most important symptoms/effects, acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	Use foam or all-purpose dry chemical to extinguish.
Unsuitable extinguishing media	Do not use water jet.

Product name Castrol Transmax Axle Long Life 75W-140	Product code 469697-DE01	Page: 2/15
Version 7.01 Date of issue 10/15/2025	Format China	Language ENGLISH
	China	(ENGLISH)

Section 5. Firefighting measures

Specific hazards arising from the chemical

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects.

Hazardous thermal decomposition products

Combustion products may include the following:
phosphorus oxides
carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)

Special protective actions for fire-fighters

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

Special protective equipment for fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Contact emergency personnel. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

For emergency responders

Entry into a confined space or poorly ventilated area contaminated with vapour, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work. Wear self-contained breathing apparatus. Wear a suitable chemical protective suit. Chemical resistant boots. See also the information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and material for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilt product. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Avoid contact of spilt material and runoff with soil and surface waterways.

Section 7. Handling and storage

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Not suitable

Prolonged exposure to elevated temperature

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Tris(methylphenyl) phosphate	GBZ 2.1 (China) [Tricresyl phosphate] Absorbed through skin. PC-TWA 8 hours: 0.3 mg/m ³ . Issued/ Revised: 4/2020.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety glasses with side shields.

Skin protection

Product name Castrol Transmax Axle Long Life 75W-140

Product code 469697-DE01 **Page:** 4/15

Version 7.01 **Date of issue** 10/15/2025

Format China

Language ENGLISH

China

(ENGLISH)

Section 8. Exposure controls/personal protection

Hand protection

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Skin protection

Use of protective clothing is good industrial practice. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	Liquid.
Colour	Amber.
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	Not available.
Drop Point	Not available.
Flash point	Open cup: >180°C (>356°F) [Cleveland]
Evaporation rate	Not available.
Flammability	Not available.
Lower and upper explosion limit/flammability limit	Not available.
Vapour pressure	>0.01 kPa
Relative vapour density	Not available.
Relative density	Not available.
Density	<1000 kg/m ³ (<1 g/cm ³) at 15°C
Solubility(ies)	

Media	Result
water	Not soluble

Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water Not applicable.

Auto-ignition temperature

Ingredient name	°C	°F	Method
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	343 to 369	649.4 to 696.2	ASTM D 2159
1-Decene, homopolymer, hydrogenated	343 to 369	649.4 to 696.2	ASTM D 2159
Dec-1-ene, homopolymer, hydrogenated	343 to 369	649.4 to 696.2	ASTM D 2159
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	343 to 369	649.4 to 696.2	ASTM D 2159

Decomposition temperature Not available.

Viscosity

Kinematic: 182 mm²/s (182 cSt) at 40°C
Kinematic: 24.5 to 25.5 mm²/s (24.5 to 25.5 cSt) at 100°C

Particle characteristics

Median particle size

Not applicable.

Section 10. Stability and reactivity

Reactivity

No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.

Chemical stability

The product is stable.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.
Under normal conditions of storage and use, hazardous polymerisation will not occur.

Conditions to avoid

Avoid all possible sources of ignition (spark or flame).

Incompatible materials

Reactive or incompatible with the following materials: oxidising materials.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name

Result

-Decene, homopolymer, hydrogenated

Rat - Oral - LD50

>5000 mg/kg

OECD 423

Rat - Dermal - LD50

>2000 mg/kg

OECD 402

Rat - Inhalation - LD50 Dusts and mists

>5.2 mg/l [4 hours]

OECD 403

Dec-1-ene, homopolymer, hydrogenated

Rat - Oral - LD50

>5000 mg/kg

OECD 423

Rat - Dermal - LD50

>2000 mg/kg

OECD 402

Rat - Inhalation - LD50 Dusts and mists

>5.2 mg/l [4 hours]

OECD 403

Dec-1-ene, homopolymer, hydrogenated

Rat - Oral - LD50

Product name Castrol Transmax Axle Long Life 75W-140

Product code 469697-DE01 **Page:** 6/15

Version 7.01 **Date of issue** 10/15/2025

Format China

Language ENGLISH

China

(ENGLISH)

Section 11. Toxicological information

Dec-1-ene, oligomers, hydrogenated

>5000 mg/kg

OECD 423

Rat - Dermal - LD50

>2000 mg/kg

OECD 402

Rat - Inhalation - LD50 Dusts and mists

>5.2 mg/l [4 hours]

OECD 403

Rat - Oral - LD50

612 mg/kg

OECD 401

Rat - Dermal - LD50

251 mg/kg

OECD 402

Rat - Inhalation - LC50 Vapour

1.19 mg/l [4 hours]

OECD 403

Rat - Oral - LD50

1689 mg/kg

OECD 401

Amines, C12-14-tert-alkyl

(Z)-octadec-9-enylamine

Skin corrosion/irritation

Product/ingredient name

Decene, homopolymer, hydrogenated

Dec-1-ene, homopolymer, hydrogenated

Dec-1-ene, homopolymer, hydrogenated

Dec-1-ene, oligomers, hydrogenated

Amines, C12-14-tert-alkyl

(Z)-octadec-9-enylamine

Result

Rabbit - Skin - Non-irritant to skin.

OECD 404

Rabbit - Skin - Non-irritant to skin.

OECD 404

Rabbit - Skin - Non-irritant to skin.

OECD 404

Rabbit - Skin - Visible necrosis

Rabbit - Skin - Visible necrosis

OECD 404

Serious eye damage/eye irritation

Product/ingredient name

Decene, homopolymer, hydrogenated

Dec-1-ene, homopolymer, hydrogenated

Dec-1-ene, homopolymer, hydrogenated

Dec-1-ene, oligomers, hydrogenated

Amines, C12-14-tert-alkyl

(Z)-octadec-9-enylamine

Result

Rabbit - Eyes - Non-irritating to the eyes.

OECD 405

Rabbit - Eyes - Non-irritating to the eyes.

OECD 405

Rabbit - Eyes - Non-irritating to the eyes.

OECD 405

Rabbit - Eyes - Visible necrosis

Rabbit - Eyes - Severe irritant

OECD 405

Respiratory corrosion/irritation

Not available.

Respiratory or skin sensitization

Product/ingredient name

Result

Product name Castrol Transmax Axle Long Life 75W-140

Product code 469697-DE01 **Page:** 7/15

Version 7.01 **Date of issue** 10/15/2025

Format China

Language ENGLISH

China

(ENGLISH)

Section 11. Toxicological information

-Decene, homopolymer, hydrogenated

Guinea pig - skin

OECD 406

Result: Not sensitising

Dec-1-ene, homopolymer, hydrogenated

Guinea pig - skin

OECD 406

Result: Not sensitising

Dec-1-ene, homopolymer, hydrogenated

Dec-1-ene, oligomers, hydrogenated

Guinea pig - skin

OECD 406

Result: Not sensitising

Amines, C12-14-tert-alkyl

Guinea pig - skin

OECD 406

Result: Sensitising

Germ Cell Mutagenicity

Product/ingredient name

-Decene, homopolymer, hydrogenated

Result

In vitro - Bacteria

OECD [Bacterial Reverse Mutation Test]

Result: Negative

In vitro - Mammal - species unspecified

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

In vivo - Mammal - species unspecified

OECD [Mammalian Erythrocyte Micronucleus Test]

Result: Negative

Dec-1-ene, homopolymer, hydrogenated

In vitro - Bacteria

OECD [Bacterial Reverse Mutation Test]

Result: Negative

In vitro - Mammal - species unspecified

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

In vivo - Mammal - species unspecified

OECD [Mammalian Erythrocyte Micronucleus Test]

Result: Negative

Dec-1-ene, homopolymer, hydrogenated

Dec-1-ene, oligomers, hydrogenated

In vitro - Bacteria

OECD [Bacterial Reverse Mutation Test]

Result: Negative

In vitro - Mammal - species unspecified

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

In vivo - Mammal - species unspecified

OECD [Mammalian Erythrocyte Micronucleus Test]

Result: Negative

Amines, C12-14-tert-alkyl

In vitro - Bacteria

Bacterial Reverse Mutation Test

Result: Negative

In vitro - Mammal - species unspecified

In vitro Mammalian Cell Gene Mutation Test

Result: Negative

In vivo - Mammal - species unspecified

Mammalian Erythrocyte Micronucleus Test

Result: Negative

(Z)-octadec-9-enylamine

In vitro - Bacteria

OECD 471

Result: Negative

In vitro - Unspecified

OECD 473

Section 11. Toxicological information

Result: Negative

In vitro - Mammal - species unspecified

OECD 476

Result: Negative

Carcinogenicity

Not available.

Reproductive toxicity

Product/ingredient name

Decene, homopolymer, hydrogenated

Dec-1-ene, homopolymer, hydrogenated

Dec-1-ene, homopolymer, hydrogenated
Dec-1-ene, oligomers, hydrogenated

Amines, C12-14-tert-alkyl

(Z)-octadec-9-enylamine

Result

Rat - Oral

OECD 415

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

Rat - Oral

OECD 415

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

Rat - Oral

OECD 415

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

Rat - Oral

OECD 415

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

Rat - Oral

OECD 421

Maternal toxicity: Positive

Fertility effects: Negative

Developmental: Negative

Specific target organ toxicity (single exposure)

Product/ingredient name

tricresyl phosphate

(Z)-octadec-9-enylamine

Result

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name

tricresyl phosphate

(Z)-octadec-9-enylamine

Result

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

Section 11. Toxicological information

Aspiration hazard

Product/ingredient name	Result
Decene, homopolymer, hydrogenated	ASPIRATION HAZARD - Category 1
Dec-1-ene, homopolymer, hydrogenated	ASPIRATION HAZARD - Category 1
Dec-1-ene, homopolymer, hydrogenated	ASPIRATION HAZARD - Category 1
Dec-1-ene, oligomers, hydrogenated	ASPIRATION HAZARD - Category 1
(Z)-octadec-9-enylamine	ASPIRATION HAZARD - Category 1

Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	Vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure.
Skin contact	Defatting to the skin. May cause skin dryness and irritation.
Ingestion	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	No specific data.
Inhalation	May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
Skin contact	Adverse symptoms may include the following: irritation dryness cracking reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact	Potential risk of transient stinging or redness if accidental eye contact occurs.
Inhalation	Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Skin contact	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Ingestion	Ingestion of large quantities may cause nausea and diarrhoea.

Short term exposure

Potential immediate effects	Not available.
Potential delayed effects	Not available.

Long term exposure

Potential immediate effects	Not available.
Potential delayed effects	Not available.

Potential chronic health effects

Product name Castrol Transmax Axle Long Life 75W-140	Product code 469697-DE01	Page: 10/15
Version 7.01	Date of issue 10/15/2025	Format China
	China	Language ENGLISH (ENGLISH)

Section 11. Toxicological information

General	May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	May damage fertility.

Section 12. Ecological information

Toxicity

Product/ingredient name

Decene, homopolymer, hydrogenated

Result

Acute - EL50

Equivalent to OECD 201

Algae

>1000 mg/l [72 hours]

Acute - EL50

OECD 202

Daphnia

>1000 mg/l [48 hours]

Chronic - NOELR

OECD 211

Daphnia

125 mg/l [21 days]

Acute - LL50

OECD 203

Fish

>1000 mg/l [96 hours]

Dec-1-ene, homopolymer, hydrogenated

Acute - EL50

Equivalent to OECD 201

Algae

>1000 mg/l [72 hours]

Acute - EL50

OECD 202

Daphnia

>1000 mg/l [48 hours]

Chronic - NOELR

OECD 211

Daphnia

125 mg/l [21 days]

Acute - LL50

OECD 203

Fish

>1000 mg/l [96 hours]

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated

Acute - EL50

OECD 201

Algae

>1000 mg/l [72 hours]

Acute - EL50

OECD 202

Daphnia

>1000 mg/l [48 hours]

Chronic - NOELR

OECD 211

Daphnia

125 mg/l [21 days]

Acute - LL50

OECD 203

Fish

Product name Castrol Transmax Axle Long Life 75W-140

Product code 469697-DE01 **Page:** 11/15

Version 7.01 **Date of issue** 10/15/2025

Format China

Language ENGLISH

China

(ENGLISH)

Section 12. Ecological information

>1000 mg/l [96 hours]

Amines, C12-14-tert-alkyl

Acute - ErC50

OECD 201

Algae

0.44 mg/l [72 hours]

Acute - EC50

OECD 202

Daphnia

2.5 mg/l [48 hours]

Acute - LC50

OECD 203

Fish

1.3 mg/l [96 hours]

Acute - EC50

OECD 209

Micro-organism

63.5 mg/l [3 hours]

Chronic - NOEC

OECD 201

Algae

0.05 mg/l [72 hours]

(Z)-octadec-9-enylamine

Acute - ErC50

OECD 201

Algae

0.04 mg/l [96 hours]

Chronic - NOEC

OECD 201

Algae

0.01 mg/l [96 hours]

Chronic - NOEC

OECD 211

Daphnia

0.013 mg/l [21 days]

Acute - LC50

EPA OPPTS 850.1085

Fish

0.06 mg/l [96 hours]

Environmental effects

This material is harmful to aquatic life with long lasting effects.

Persistence/degradability

Not expected to be rapidly degradable.

Product/ingredient name

Amines, C12-14-tert-alkyl

Result

OECD 301D

21.8% [28 days] - Not readily

(Z)-octadec-9-enylamine

OECD 301B

66% [28 days] - Readily

Bioaccumulative potential

This product is not expected to bioaccumulate through food chains in the environment.

Section 12. Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
Decene, homopolymer, hydrogenated	>10	-	High
Dec-1-ene, homopolymer, hydrogenated	>6.5	-	High
Dec-1-ene, homopolymer, hydrogenated	>10	-	High
Dec-1-ene, homopolymer, hydrogenated oligomers, hydrogenated			
tricresyl phosphate	5.93	-	High
Amines, C12-14-tert-alkyl	2.9	-	Low
(Z)-octadec-9-enylamine	4.33	-	High

Mobility in soil

Soil/water partition coefficient

Not available.

Mobility

Spillages may penetrate the soil causing ground water contamination.

Other adverse effects

No known significant effects or critical hazards.

Other ecological information

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	China GB12268	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

Product name Castrol Transmax Axle Long Life 75W-140

Product code 469697-DE01 **Page:** 13/15

Version 7.01 **Date of issue** 10/15/2025

Format China

Language ENGLISH

China

(ENGLISH)

Section 14. Transport information

Special precautions for user	Not available.
Matters needing attention for transportation	Ensure that any additional local government transport conditions are met

Section 15. Regulatory information

List of Goods banned for Importing

None of the components are listed.

Drug Precursors Requiring an Import/Export License

None of the components are listed.

Catalogue and classification of drug precursor chemicals

None of the components are listed.

List of Explosive Precursors

None of the components are listed.

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

Safety, health and environmental regulations specific for the product	No known specific national and/or regional regulations applicable to this product (including its ingredients).
--	--

Regulation according to other foreign laws

REACH Status	The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.
Australia inventory (AIC)	All components are listed or exempted.
Canada inventory	All components are listed or exempted.
China inventory (IECSC)	All components are listed or exempted.
Japan inventory (CSCL)	All components are listed or exempted.
Korea inventory (KECI)	All components are listed or exempted.
Philippines inventory (PICCS)	All components are listed or exempted.
Taiwan Chemical Substances Inventory (TCSI)	All components are listed or exempted.
United States inventory (TSCA 8b)	All components are active or exempted.

Section 16. Other information

History

Date of printing	10/15/2025
Date of issue/Date of revision	10/15/2025
Date of previous issue	8/20/2025
Version	7.01
Prepared by	Product Stewardship

Product name Castrol Transmax Axle Long Life 75W-140	Product code 469697-DE01	Page: 14/15
Version 7.01	Date of issue 10/15/2025	Format China
	China	Language ENGLISH (ENGLISH)

Section 16. Other information

Key to abbreviations

ACGIH = American Conference of Industrial Hygienists
CAS Number = Chemical Abstracts Service Registry Number
GHS = Global Harmonised System
IATA = International Air Transport Association, the organisation
IMDG = International Maritime Organization Rules, rules governing shipment of goods by water.
OEL = Occupational Exposure Limit
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]
SDS = Safety Data Sheet
STEL = Short term exposure limit
TWA = Time weighted average
UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.
Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

References

Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.

Date of issue/Date of revision	: 10/15/2025	Date of previous issue	: 8/20/2025	Version	: 7.01	15/15
---------------------------------------	---------------------	-------------------------------	--------------------	----------------	---------------	--------------

Product name Castrol Transmax Axle Long Life 75W-140	Product code 469697-DE01	Page: 15/15	
Version 7.01	Date of issue 10/15/2025	Format China	Language ENGLISH
		China	(ENGLISH)